

Amendments to the Claims

1-6. (Cancelled)

7. (Currently amended) A catalytic combustor formed of a plurality of flat strips and corrugated strips arranged to form a stack, the stack having an end face, the flat and corrugated strips defining a direction of fluid flow along corrugations of said corrugated strips, the combustor comprising a plurality of pairs of flat and corrugated strips, the flat and corrugated strips of each pair being welded together, wherein the flat strip of each pair is offset, in a direction generally parallel to said direction of fluid flow, relative to the corrugated strip of each pair, wherein said pairs are arranged in [[a]] said stack such that alternate pairs have a flat strip offset in a first direction towards said end face, and remaining pairs have a corrugated strip offset in said first direction towards said end face, wherein said pairs are welded together to form a unitary structure.

8. (Original) The combustor of Claim 7, wherein a flat strip of each pair is welded to a corrugated strip of an adjacent pair.

9. (Cancelled)

10. (Currently amended) A catalytic combustor comprising a plurality of flat strips, a plurality of high-amplitude corrugated strips, and a plurality of low-amplitude corrugated strips, wherein the flat strips are arranged in a stack such that the flat strips alternate with high-amplitude

corrugated strips, the flat and corrugated strips defining a direction of fluid flow along corrugations of said corrugated strips, and wherein a space between the flat strips also contains at least one low-amplitude corrugated strip, wherein the low-amplitude corrugated strip is recessed relative to ends of the flat strips, in a direction generally parallel to said direction of fluid flow, and wherein the flat strips and the high-amplitude corrugated strips are welded together at ends of the flat strips.

11-13. (Cancelled)

14. (Currently amended) A catalytic combustor comprising a plurality of metal strips assembled into a stack, wherein some of the strips are flat and some are corrugated, wherein the stack has end faces, the flat and corrugated strips defining a direction of fluid flow along corrugations of said corrugated strips, wherein some of the flat or corrugated strips are displaced relative to others of the flat or corrugated strips, in a direction generally parallel to said direction of fluid flow, such that some of the strips do not terminate at the end faces, wherein the strips are welded together to form a unitary structure.

15. (Original) The catalytic combustor of Claim 14, wherein the flat strips alternate with the corrugated strips in the stack, and wherein flat strips and corrugated strips are alternately displaced in the stack.

16. (Original) The catalytic combustor of Claim 14, wherein some of the corrugated strips have low-amplitude corrugations and some of the corrugated strips have high-amplitude corrugations, and wherein the low-amplitude corrugated strips are displaced such that the low-amplitude

corrugated strips do not terminate at the end faces.